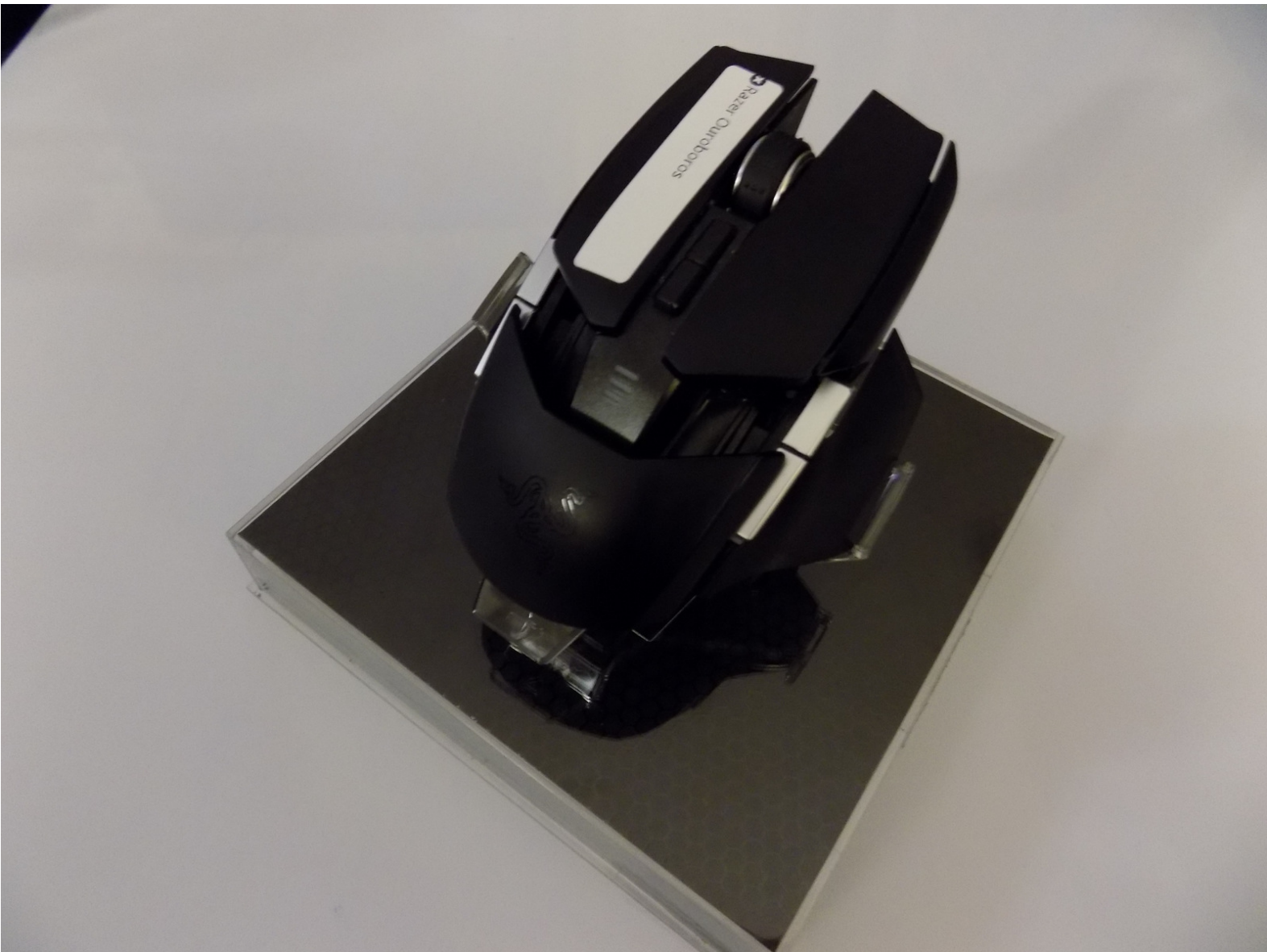




Razer Ouroboros Microswitch Replacement

This guide shows how to replace the micro switch on the Razer Ouroboros.

Written By: Ben Estes



INTRODUCTION

This guide can be used to take the Razer Ouroboros apart to get to the micro switch. you will need a soldering iron to complete this.



TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [T6 Torx Screwdriver](#) (1)
- [Metal Spudger](#) (1)
- [Tweezers](#) (1)
- [Soldering Station](#) (1)



PARTS:

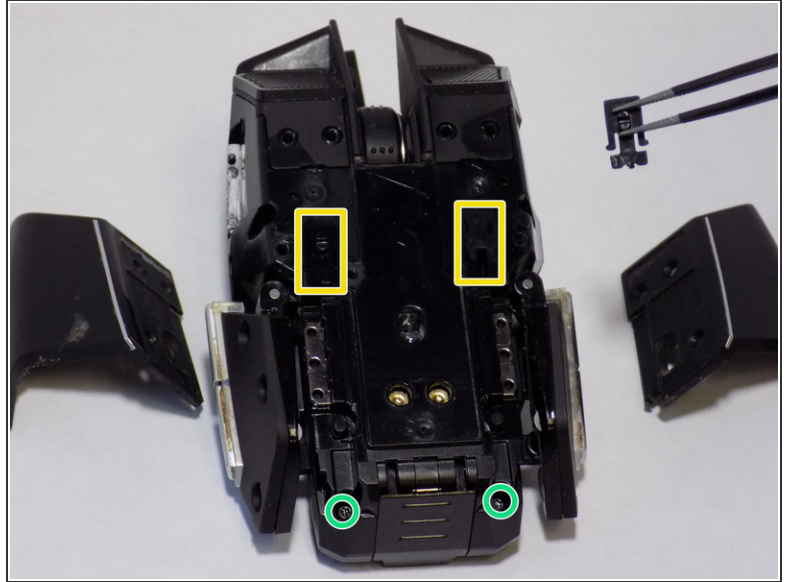
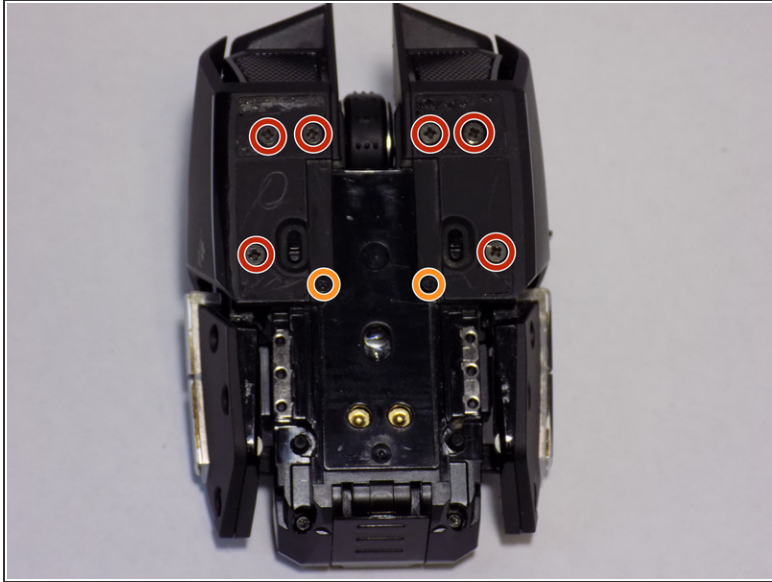
- [OMRON D2FC-F-7N](#) (1)

Step 1 — Scroll Wheel



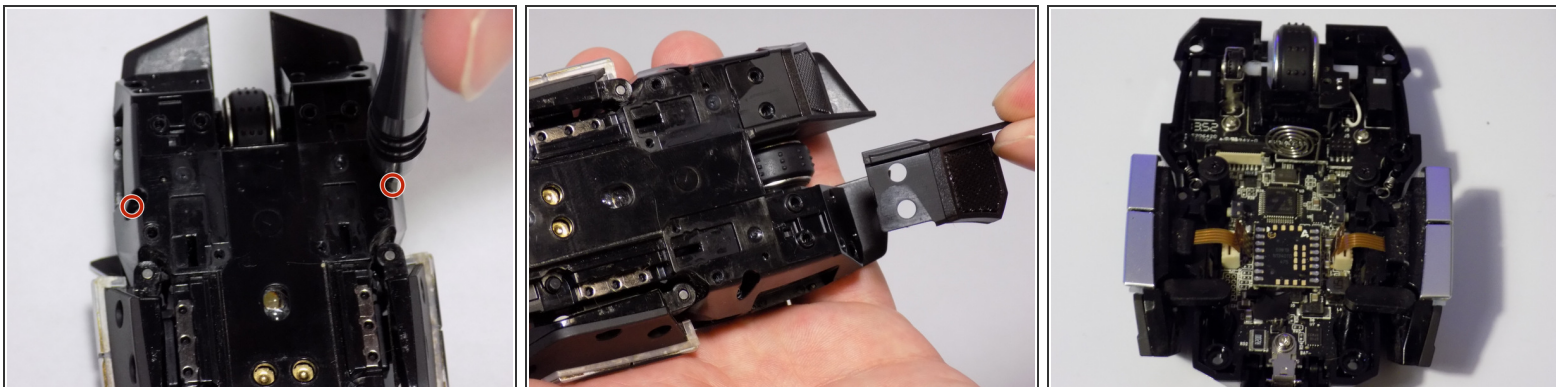
- Use a Phillips #00 screwdriver to loosen the two captive screws from the bottom of the mouse.
- Slide the palm rest out of place.

Step 2



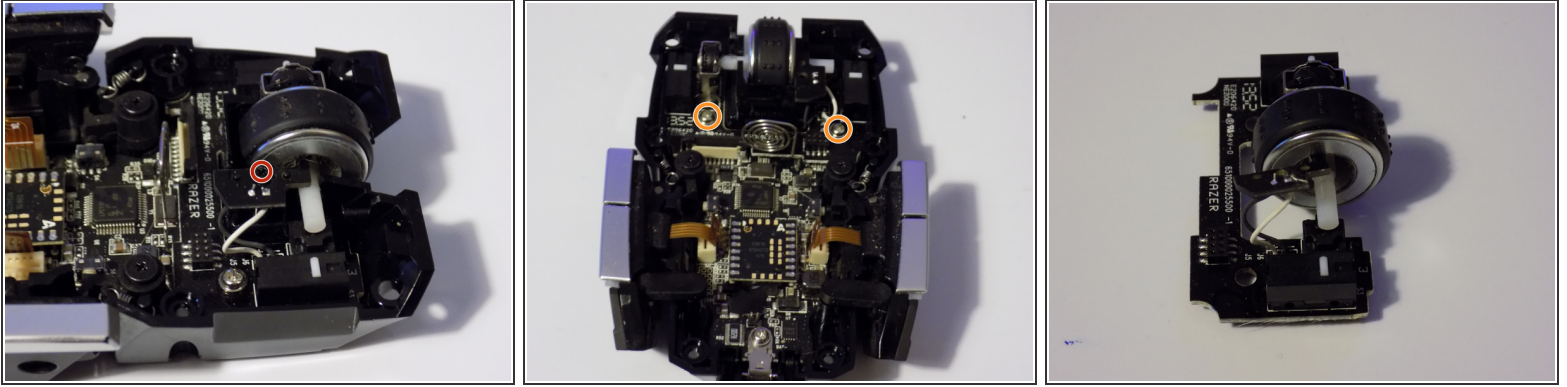
- Remove all of the stickers on the back of the mouse. After doing so, you should see six screws on the back of the mouse.
- Use the Phillips #0 Screwdriver to remove all six of these 4mm screws.
- Use the Phillips #00 Screwdriver to remove these two, 3mm screws.
- Slide the side panels off of the mouse.
- Use your tweezers to take the lock switches off of the mouse.
- Using the T6 Torx screwdriver, remove the two bottom 4mm screws as indicated in the second picture.

Step 3



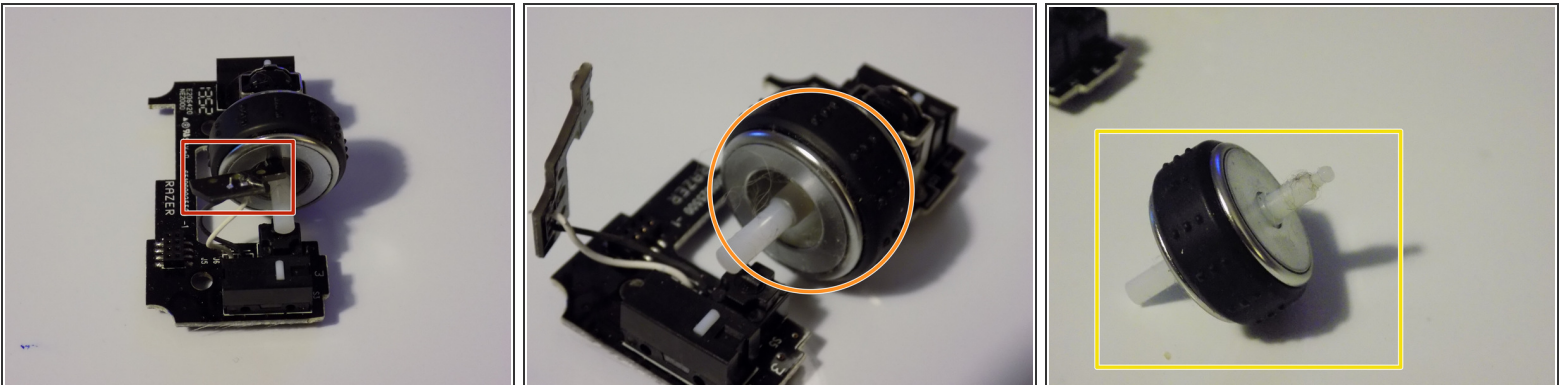
- Using the T6 Torx screwdriver, remove the two 4mm screws hidden in the deep holes indicated in the first picture.
 - Slide the top panels off of the mouse.
 - Flip the mouse over, and the mouse casing should come off.
- ⚠ There are some connectors connecting the casing to the motherboard. They should slide off. Just be careful not to break them.

Step 4



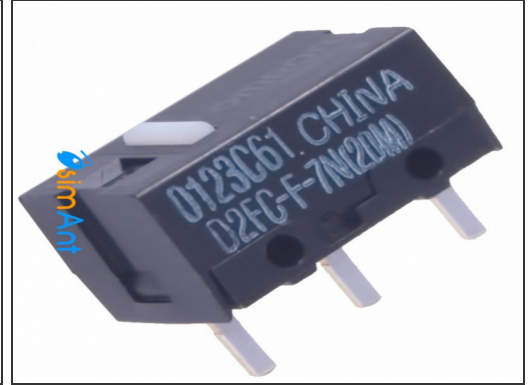
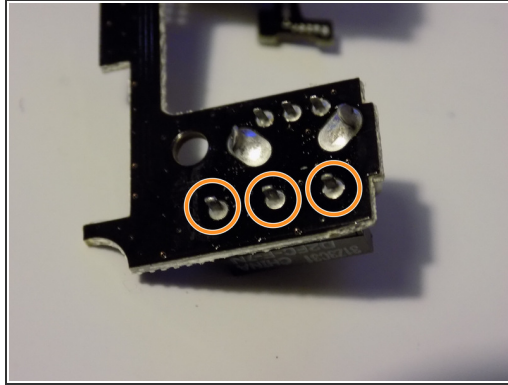
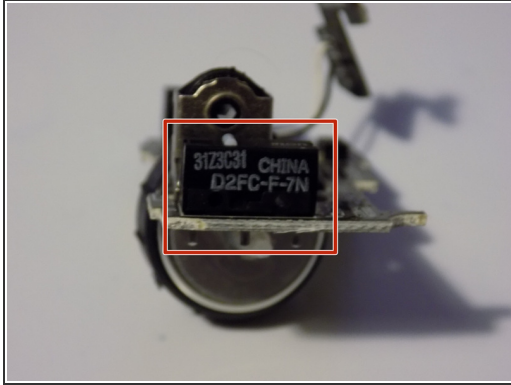
- Locate the 4mm screw indicated in the first picture, use a Phillips #00 Screwdriver to remove it.
 - Locate the two 4mm screws in the second picture, and remove those two with a Phillips #0 Screwdriver.
 - Now, you may remove the board that holds the scroll wheel and its components. Simply slide the wheel out and replace it.
- ☒ Take note of the orientation in the final picture so that you can place the wheel back correctly into its mechanism.

Step 5 — Microswitch



- Carefully remove the circuit board that is inside the scroll wheel.
- Pull the scroll wheel off the board.
- Place the scroll wheel in a safe location.

Step 6



- When you get to this point look at your micro switch to check that this is exactly the same.
- ⓘ If this is your first time soldering I would recommend watching this ifixit guide. [How To Solder and Desolder Connections](#)
- Now de solder the 3 pass through post continue pulling the micro switch away from the circuit board
- Replace and solder the micro switch to the circuit board.

To reassemble your device, follow these instructions in reverse order.

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